

SECURIN IS REQUIRED FOR CHROMOSOMAL STABILITY IN HUMAN CELLS

ABSTRACT OF THE DISCLOSURE

Securin-deficient cells and their isogenic securin-proficient counterparts are useful for screening potential anti-tumor agents. Potential therapeutic agents are screened for the ability to preferentially inhibit or kill a securin-deficient cell. The association of securin deficiency and chromosomal instability leading to aneuploidy, renders securin an excellent target for chemotherapeutic drug development.